

CLAIMS:

1. A multi-socket assembly comprising a plug unit operatively connected to at least one socket unit characterized in that the assembly is formed as an integral body comprising at least one suitable electrically insulating material that
5 encapsulates the electrical connections between said plug unit and the said at least one socket unit.
2. An assembly according to claim 1, wherein said electrical connections comprise a phase line, comprising electrically connected elements including a pin, conductor and at least one connector, and a neutral line, comprising
10 electrically connected elements including a pin, conductor and at least one connector.
3. An assembly according to claim 2, wherein said electrical connections further comprise a ground line, comprising electrically connected elements including a pin, conductor and at least one connector.
- 15 4. An assembly according to claim 3, wherein said earth line, phase line and neutral lines are each arranged along substantially parallel axes, and wherein the earth line axis is in-between the phase line axis and the neutral line axis.
5. An assembly according to claim 1, wherein said plug unit and said socket units are formed as blocks interconnected via at least one of webs and bridges.
- 20 6. An assembly according to claim 5, further comprising a socket unit integrally formed with a block comprising said plug unit.
7. An assembly according to claim 6, wherein said blocks are formed as discs.
8. An assembly according to claim 5, wherein said bridges are of sufficient
25 length such as to enable said at least one socket unit to be aligned over said plug unit to provide a compact configuration.
9. An assembly according to claim 8, further comprising locking means to reversibly lock said at least one socket unit with respect to said plug unit when in said compact configuration.

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10. An assembly according to claim 9, wherein said locking means comprise mutually engageable male and female elements, each comprised on facing surfaces of said plug unit and said socket unit when in the said compact configuration.
- 5 11. An assembly according to claim 1, wherein said material is a suitable plastic or rubber-based material.
12. An assembly according to claim 11, wherein said material is a flexible material.
13. An assembly as claimed in claim 1 wherein said integral body is formed
10 by casting said at least one encapsulating material in a suitable mold.
14. An assembly according to claim 13, wherein said plug unit and said socket units are formed as blocks interconnected via at least one of webs and bridges, and wherein a first encapsulating material is used for said blocks and a second encapsulating material is used for said bridges.
- 15 15. An assembly according to claim 14, wherein said first encapsulating material is relatively more rigid than said second encapsulating material.
16. An assembly according to claim 1, comprising two said socket units linearly arranged with respect to said plug unit.
17. An assembly according to claim 1, further comprising a suitable
20 indicator for alerting a user that the said assembly is connected to an electric source.
18. An assembly according to claim 1, wherein said indicator comprises an LED that is adapted for lighting when said assembly is connected to an electric source.
- 25 19. An assembly according to claim 1, further comprising at least one switch for selectively connecting or interrupting the electrical connection between said plug unit and said at least one said socket unit.
20. An assembly according to claim 1, particularly adapted for distributing AC current from said plug unit to said socket units.

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21. A multi-socket assembly comprising a plug unit operatively connected to a plurality of socket unit characterized in that adjacent said socket units are flexibly connected one to the other.